

Amendments to the Claims:

1. (Currently Amended) A captioning system for providing captions for a presentation to a user, the presentation including a wireless acoustic signal, the captioning system comprising:

a caption store operable to store one or more sets of captions each set being associated with one or more presentations and each set comprising a plurality of captions for playout at different timings during the associated presentation; and

a cellular telephone having:

i) a first receiver configured to receive, from said caption store, at least one set of captions for storage in the cellular telephone or to receive a sequence of captions for a presentation to be made to a user associated with the cellular telephone;

ii) a microphone configured to receive ~~the~~ a wireless acoustic signal of signal that is time synchronised with the presentation and to generate a corresponding electrical signal;

iii) a synchronizer configured to process the electrical signal obtained from the microphone corresponding to said acoustic signal of said presentation, to determine synchronization information for use in defining the timing during the presentation at which each caption is to be output to the user associated with the cellular telephone;

iii)iv) a caption output operable to output each received caption to the user associated with the cellular telephone; and

iv)v) a timing controller configured ~~to process said received wireless acoustic signal to~~ determine the timing during the presentation at which each caption should be output based on the synchronization information determined by said synchronizer and configured to control said caption output ~~therein~~ so that each caption is output to said user at the determined timing.

2. (Canceled)

3. (Canceled)

4. (Currently Amended) A system according to claim 1, wherein said captions include text

and wherein said caption output circuit is operable to output said captions to a display device associated with the cellular telephone for display to the user.

5. (Previously Presented) A system according to claim 4, wherein said captions include formatting information for controlling the format of the text displayed on said display.
6. (Previously Presented) A system according to claim 4, wherein each caption includes duration information defining the duration that the caption should be displayed to the user.
7. (Previously Presented) A system according to claim 4, wherein said caption includes timing information defining the time at which the caption should be displayed to the user during the presentation.
8. (Withdrawn) A system according to claim 1 wherein said captions include audio data and wherein said caption output circuit is operable to output said audio data to an electro-acoustic device for converting the audio data into corresponding acoustic signals.
9. (Canceled)
10. (Previously Presented) A system according to claim 1, wherein said presentation includes video.
11. (Canceled)
12. (Previously Presented) A system according to claim 1, wherein said caption store is formed in a memory card which is insertable into said cellular telephone and wherein said cellular telephone includes a reader for reading captions from said memory card when inserted therein.

13. (Previously Presented) A system according to claim 1, wherein said caption store is provided in a computer system and wherein said cellular telephone includes a communication module for communicating with said computer system.

14. (Previously Presented) A system according to claim 13, wherein said computer system is remote from said cellular telephone.

15. (Previously Presented) A system according to claim 13, wherein said cellular telephone includes a housing and wherein said communication module is provided within said housing.

16. (Previously Presented) A system according to claim 13, wherein said communication module is operable to communicate with said remote computer system using a wireless communication link.

17. (Canceled)

18. (Canceled)

19. (Currently Amended) A system according to claim 14, wherein said ~~synch~~ronization information defines ~~expected~~ time points for one or more predetermined acoustic portions of the presentation.

20. (Currently Amended) A system according to claim 19, wherein said receiver is configured to receive synchronization data associated with the set of captions, the synchronization data identifying expected time points of one or more predetermined acoustic portions of the presentation and wherein said ~~cellular telephone~~ synchronizer comprises a monitoring circuit operable to monitor said electrical signal obtained from the microphone presentation to identify the actual time points of said one or more predetermined acoustic portions of the presentation and wherein said synchronization information generated by

~~said synchronizer comprises timing controller is responsive to a~~ the difference between the actual ~~timing~~ time points identified by the monitoring circuit and the expected ~~timing~~ time points identified by said synchronization data ~~to control the outputting of the captions by said caption output circuit.~~

21. (Canceled)

22. (Currently Amended) A system according to claim 20, wherein said synchronization data ~~associated with the set of captions includes a signature for each of said one or more predetermined acoustic portions of the presentation, wherein said monitoring circuit is configured to process said electrical signal from the microphone and to generate a signature for a current portion of the presentation, wherein the synchronizer further comprises a comparator that is configured to compare the signature generated by the monitoring circuit with a signature of said synchronization data and wherein the cellular telephone has:~~ a) an acquisition mode of operation in which ~~the signature generated by the monitoring circuit is compared with each of said signatures of said synchronization data~~ an output of said monitoring circuit is compared with said predetermined points defined by said synchronisation information to identify a current position within said presentation; and b) a tracking mode of operation in which the signature generated by ~~output of~~ said monitoring circuit is compared with an expected one of the signatures of said synchronization data ~~a current predetermined portion defined by said synchronisation information.~~

23. (Currently Amended) A system according to claim 22, wherein during said tracking mode of operation, said monitoring circuit is operable to monitor said presentation during a predetermined time window around an ~~the~~ expected time point defined by said ~~synchronisationsynchronization data~~ information ~~for the current predetermined portion.~~

24. (Currently Amended) A system according to claim 20 ~~42~~, wherein said cellular telephone is configured to receive said ~~synechronisationsynchronization data~~ information from said caption

store.

25. (Currently Amended) A system according to claim 142, wherein said ~~synchro~~synchro~~nisation~~nization information is embedded within said acoustic part of the presentation and wherein said cellular telephone includes a monitoring circuit operable to monitor the presentation and to extract said synchro~~nisation~~ information therefrom.

26. (Canceled)

27. (Currently Amended) The system according to claim 25, wherein said ~~synchro~~synchro~~nisation~~nization information comprises ~~synchro~~synchro~~nisation~~nization codes that have been added to an audio signal of the presentation occurring so that they occur at different timings during the presentation.

28. (Currently Amended) A system according to claim 27, wherein each ~~synchro~~synchro~~nisation~~nization code is unique to uniquely define the position in the presentation.

29. (Previously Presented) A system according to claim 1, wherein said caption store includes a plurality of sets of captions for a plurality of different presentations.

30. (Currently Amended) A system according to claim 29, wherein said cellular telephone is configured to process the electrical signal from the microphone corresponding to the acoustic part of the presentation to determine data for use in identifying the presentation therefrom~~capture a portion of said presentation~~ and is configured to transmit the captured portion~~determined data~~ to said caption store and wherein said caption store is configured to use said captured portion of the presentation~~determined data~~ to identify the presentation being made and to transmit the associated set of captions for the identified presentation to said first receiver~~cellular telephone~~.

31. (Currently Amended) A system according to claim 30, wherein said determined data comprises a cellular telephone is configured to process the captured portion of the presentation to extract data characteristic of the captured portion of the acoustic part of the presentation and is configured to transmit said characteristic data to said caption store, and wherein said caption store is operable to use said characteristic data to identify the presentation being made and to transmit the associated set of captions for the identified presentation to the cellular telephone.

32. (Currently Amended) A system according to claim 1, wherein said presentation is given at a venue, wherein said venue is operable to provide an activation code, wherein said cellular telephone is configured to receive said activation code and further comprises an inhibitor for inhibiting the operation of said caption output ~~circuit~~ unless said cellular telephone has received said activation code.

33. (Currently Amended) A portable cellular telephone for use in a captioning system, the portable cellular telephone comprising:

i) a first receiver configured to receive, from a caption store, at least one set of captions for storage in the cellular telephone or to receive a sequence of captions for a presentation to be made to a user associated with the cellular telephone;

ii) a microphone configured to receive a wireless acoustic signal that forms part of is time synchronised with the presentation and to generate a corresponding electrical signal;

iii) a synchronizer configured to process the electrical signal obtained from the microphone corresponding to said acoustic signal of said presentation, to determine synchronization information for use in defining the timing during the presentation at which each caption is to be output to the user associated with the cellular telephone;

~~iii) iv)~~ a caption output ~~circuit~~ operable to output each received caption to the -user associated with the cellular telephone; and

~~iv) v)~~ a timing controller configured to ~~process said received wireless acoustic signal to~~ determine the timing during the presentation at which each caption should be output based on the synchronization information determined by said synchronizer and configured to control said

caption output circuit so that each caption is output to said user at the determined timing.

34. (Canceled)

35. (Canceled)

36. (Previously Presented) A computer readable medium storing computer executable instructions for causing a general purpose computing device to operate as the portable cellular telephone of claim 33.

37-39. (Canceled)

40. (Currently Amended) A captioning system for providing captions for a presentation to a user, the presentation including a wireless acoustic signal, the captioning system comprising:

means for storing one or more sets of captions each set being associated with one or more presentations and each set comprising a plurality of captions for play out at different timings during the associated presentation; and

a portable cellular telephone having:

i) means for receiving at least one set of captions for storage in the cellular telephone or for receiving a sequence of captions for a presentation to be made to a user associated with the cellular telephone;

ii) means for receiving ~~the~~ a wireless acoustic signal ~~of that is time synchronised with the presentation and to generate a corresponding electrical signal;~~

iii) a synchronizer configured to process the electrical signal obtained from the microphone corresponding to said acoustic signal of said presentation, to determine synchronization information for use in defining the timing during the presentation at which each caption is to be output to the user associated with the cellular telephone;

~~iii)~~ iv) means for outputting each received caption to the user associated with the cellular telephone; and

iv)y) means for ~~processing said received wireless acoustic signal to determine~~ determining the timing during the presentation at which each caption should be output based on the synchronization information determined by said synchronizer and for controlling said output means so that each caption is output to said user at the determined timing.

41. (Canceled)

42. (Canceled)

43. (Previously Presented) A system according to claim 1, wherein said first receiver is configured to receive said set of captions or said sequence of captions via a telephone network.

44. (Previously Presented) A system according to claim 1, wherein said first receiver is configured to receive said set of captions or said sequence of captions over a wired communications link in advance of the presentation.

45. (Currently Amended) A system according to claim 1, wherein said cellular telephone is configured to use said first receiver to download a next caption from said caption store when it detects a synchronization code in the electrical ~~wireless~~ signal received from said microphone that corresponds to the acoustic part of the presentation.

46. (Canceled)

47. (Canceled)

48. (Currently Amended) A system according to claim 1, wherein said caption store is provided by a remote server, ~~wherein said cellular telephone comprises a mobile telephone and wherein the cellular telephone is configured to allow said user to interact with the remote server using the mobile telephone.~~

49. (Previously Presented) A device according to claim 33, wherein said captions include text for display and wherein said captions include formatting information for controlling the format of the displayed text.

50. (Previously Presented) A device according to claim 49, wherein each caption includes duration information defining the duration that the caption should be displayed on said display.

51. (Previously Presented) A device according to claim 49, wherein said caption includes timing information defining the time at which the caption should be displayed to the user during the presentation.

52. (Previously Presented) A device according to claim 33, wherein said caption store is provided in a remote computer system, wherein said cellular telephone includes a communication module for communicating with said computer system and wherein said first receiver forms part of said communicating means.

53. (Previously Presented) A device according to claim 52, wherein said communication module is configured to communicate with said remote computer system using a wireless communication link.

54. (Canceled)

55. (Currently Amended) A device according to claim 33, configured to receive ~~synchronisationsynchronization data information~~ defining the timing during the presentation at which each caption is to be output to the user associated with the cellular telephone and wherein said synchronizer is configured to determine said timing ~~controller is configured to use the received synchronisationsynchronization information using the received synchronization data and the electrical signal from the microphone in determining the timing during the presentation at~~

~~which each caption should be output to the user.~~

56. (Currently Amended) A device according to claim 55, wherein said ~~synchrenisationsynchronization~~ information data defines expected time points for one or more predetermined portions of the presentation.

57. (Currently Amended) A device according to claim ~~33~~56, wherein said receiver is configured to receive synchronization data associated with the set of captions, the synchronization data identifying expected time points of one or more predetermined acoustic portions of the presentation and wherein said synchronizer comprises comprising a monitoring circuit operable to monitor said electrical signal obtained from the microphone said presentation to identify the actual time points of said one or more predetermined acoustic portions of the presentation and wherein said synchronization information generated by said synchronizer comprises a difference between the actual time points identified by the monitoring circuit and the expected time points identified by said synchronization dataand wherein said timing controller is responsive to the difference between the actual timings and the expected timings to control the ~~outputting of the captions by said caption output circuit.~~

58. (Canceled)

59. (Currently Amended) A device according to claim 57, wherein said synchronization data associated with the set of captions includes a signature for each of said one or more predetermined acoustic portions of the presentation, wherein said monitoring circuit is configured to process said electrical signal from the microphone and to generate a signature for a current portion of the presentation, wherein the synchronizer further comprises a comparator that is configured to compare the signature generated by the monitoring circuit with a signature of said synchronization data and wherein the cellular telephone has: a) having an acquisition mode of operation in which the signature generated by an output of said monitoring circuit is compared with each of said signatures of said synchronization data to identify a current position within said

~~presentation; said predetermined points defined by said synchronisation information to identify a current position within said presentation and b) a tracking mode of operation in which the signaturethe output of generated by said monitoring circuit is compared with an expected one of the signatures of said synchronization dataa current predetermined portion defined by said synchronisation information.~~

60. (Currently Amended) A device according to claim 59, wherein during said tracking mode of operation, said monitoring circuit is configured to monitor said presentation during a predetermined time window around ~~an~~the expected time point defined by said ~~synchronisationsynchronization data~~information for the current predetermined portion.

61. (Currently Amended) A device according to claim ~~33~~55, wherein said ~~synchronisationsynchronization~~ information is embedded within said acoustic part of the presentation and ~~wherein said synchronizer comprises~~comprising a monitoring circuit configured to monitor the electrical signal from the microphone corresponding to the acoustic part of the presentation and to extract said ~~synchronisationsynchronization~~ information therefrom ~~and wherein said second receiver (41) forms part of said monitoring circuit.~~

62. (Currently Amended) A device according to claim ~~61~~55, wherein said ~~synchronisationsynchronization~~ information comprises ~~synchronisationsynchronization~~ codes occurring at different timings during the presentation.

63. (Currently Amended) A device according to claim 62, wherein each ~~synchronisationsynchronization~~ code is unique to uniquely define the position in the presentation.

64. (Currently Amended) A device according to claim 33, wherein said caption store includes a plurality of sets of captions for a plurality of different presentations and wherein the cellular telephone is configured to process the electrical signal from the microphone

corresponding to the acoustic part of the presentation to determine data for use in identifying the presentation therefrom~~capture a portion of said presentation~~ and is configured to transmit the determined data~~captured portion~~ to said caption store for use by the caption store to identify the presentation being made.

65. (Currently Amended) A device according to claim 64, wherein the determined data comprises ~~configured to process the captured portion of the presentation to extract data~~ characteristic of ~~the captured portion of the acoustic part of the presentation~~ and configured to transmit said characteristic data to said caption store for use by the caption store to identify the presentation.

66. (Currently Amended) A method of providing captions for a presentation to a user, the presentation including a wireless acoustic signal and the method comprising:

storing, at a caption store, one or more sets of captions each being associated with one or more presentations and each comprising a plurality of captions for playback at different timings during the associated presentation; and

at a portable cellular telephone:

using a first receiver to receive, from said caption store, at least one set of captions for storage in the cellular telephone or to receive a sequence of captions for a presentation to be made to an associated user;

using a microphone to receive ~~the~~ a wireless acoustic signal that is time synchronised with of the presentation and to generate a corresponding electrical signal;
processing the electrical signal obtained from the microphone corresponding to said acoustic signal of said presentation, to determine synchronization information for use in defining the timing during the presentation at which each caption is to be output to the user;

outputting the captions to the associated user; and

~~processing the received wireless acoustic signal to determine~~ determining the timing during the presentation at which each caption should be output based on the

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determined synchronization information and controlling the outputting step so that each caption is output to the user at the determined timing.